

FIG. 1

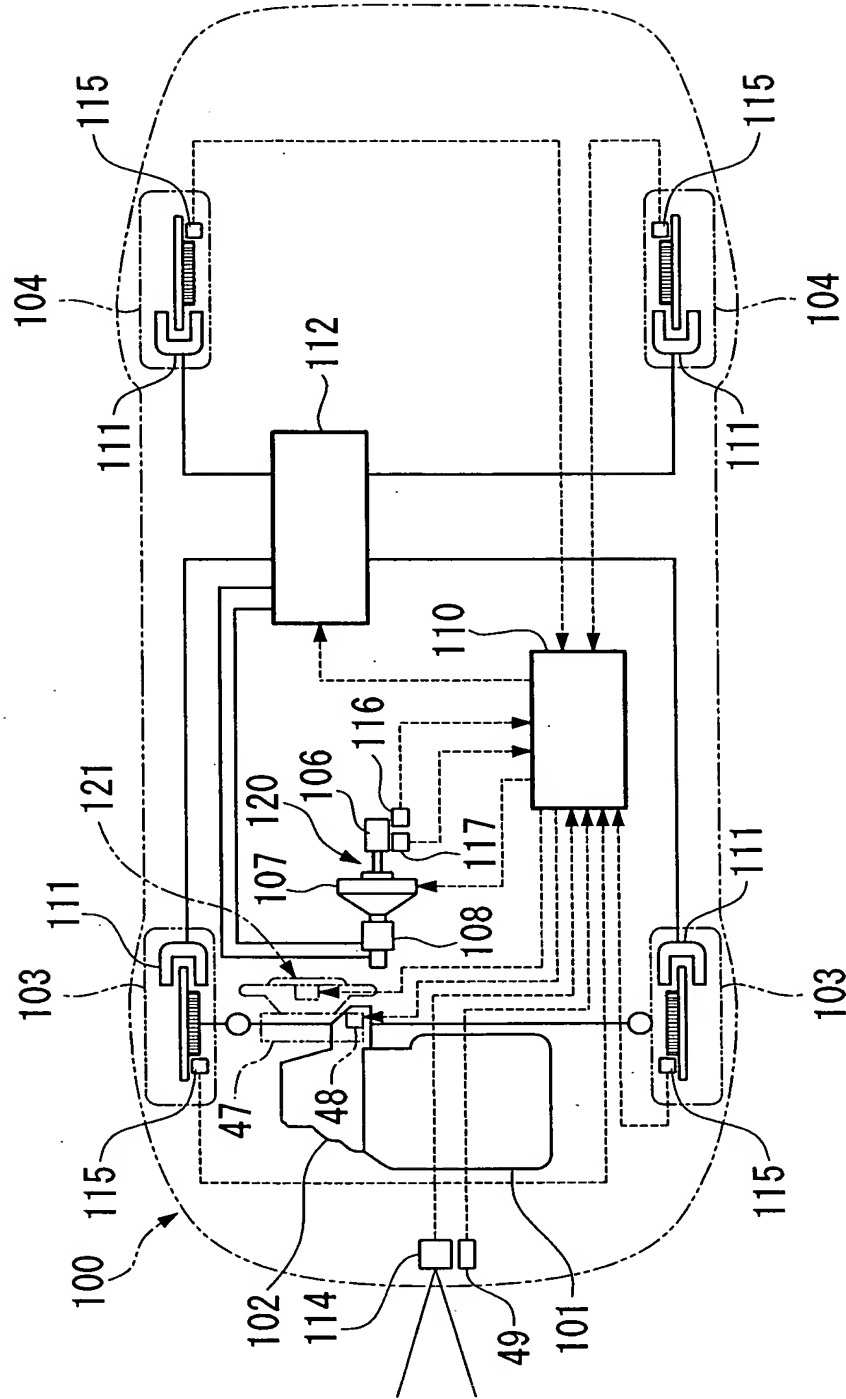
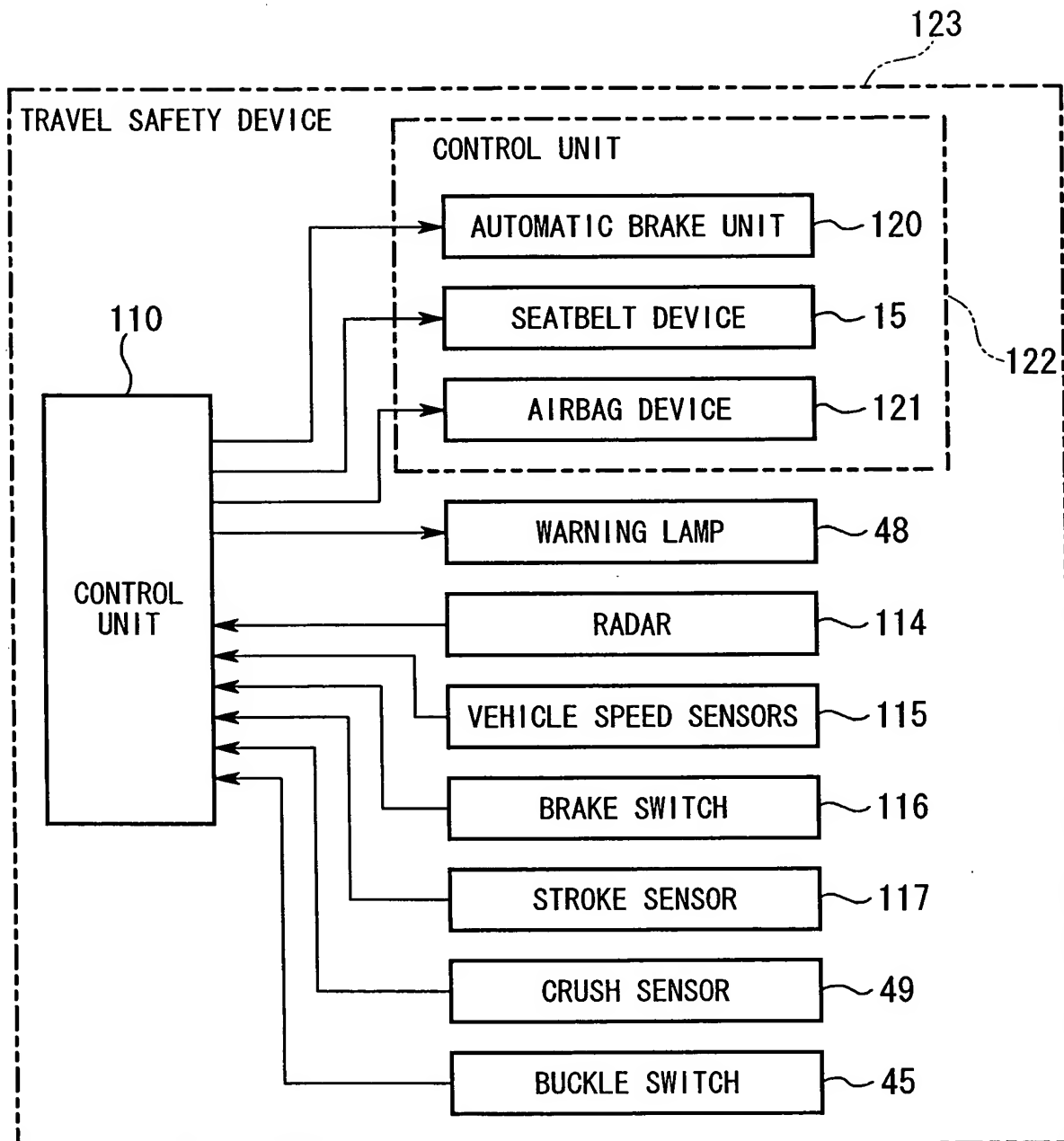


FIG. 2



The diagram illustrates a vehicle safety system architecture. On the right, a driver (10) is seated in a vehicle seat (11) with a seatbelt (12) and an airbag (13). The seatbelt system includes a retractor (20) with a coil spring (28) and a locking mechanism (29). The airbag system includes a gas generator (22) and a vent (23). The driver's feet are positioned on a pedal (25) which is connected to a footrest (26). The system is controlled by three main units: a BRAKE CONTROL UNIT (38), a RADAR CONTROL UNIT (39), and a VEHICLE SPEED MEASURING UNIT (40). These units are connected to a central control line (36). The central control line (36) is connected to the ELECTRICAL SEATBELT CONTROL UNIT (35) and the AIRBAG CONTROL UNIT (43). The AIRBAG CONTROL UNIT (43) is also connected to a CRASH SENSOR (49) and a switch (45). The switch (45) is connected to ground (46). The AIRBAG CONTROL UNIT (43) is also connected to the driver's feet (25) and the footrest (26).

FIG. 4

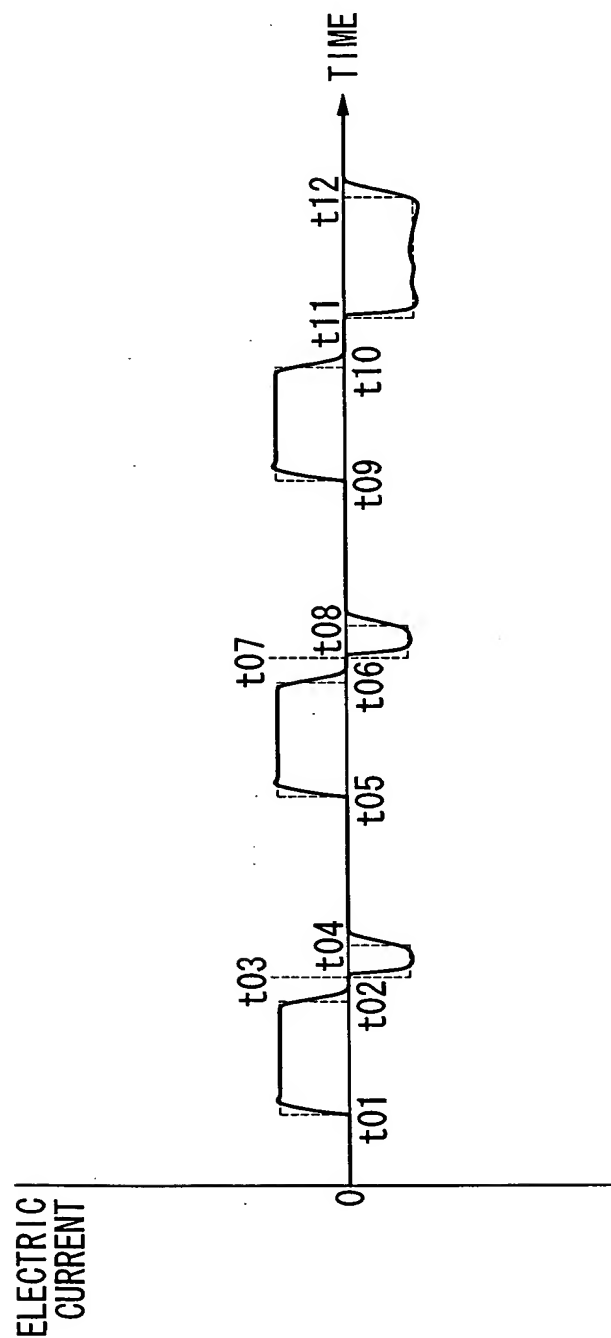


FIG. 5

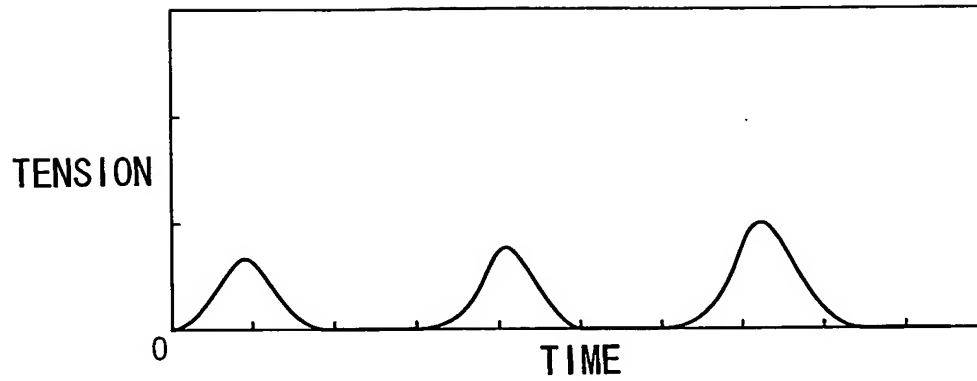


FIG. 6

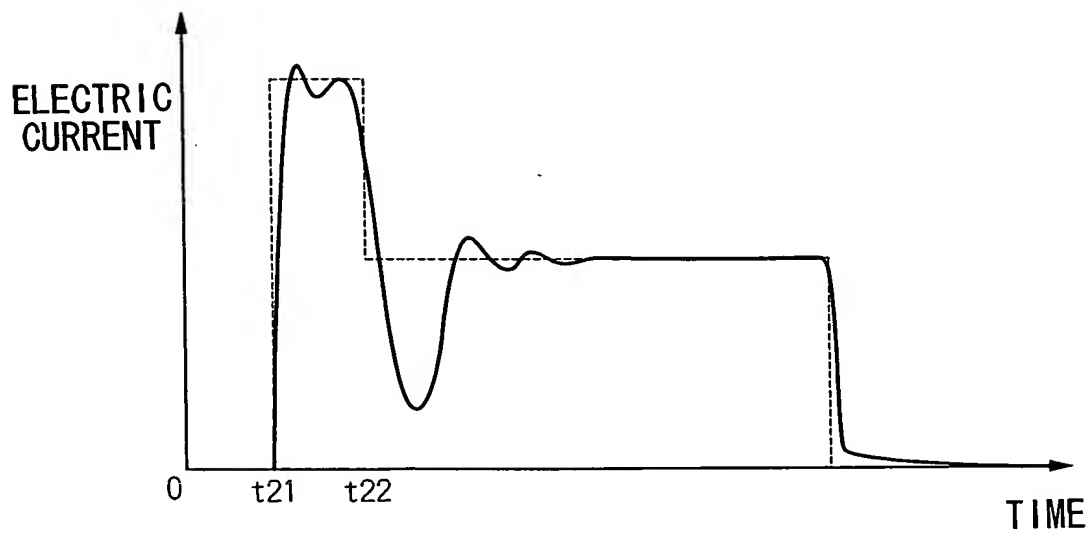


FIG. 7

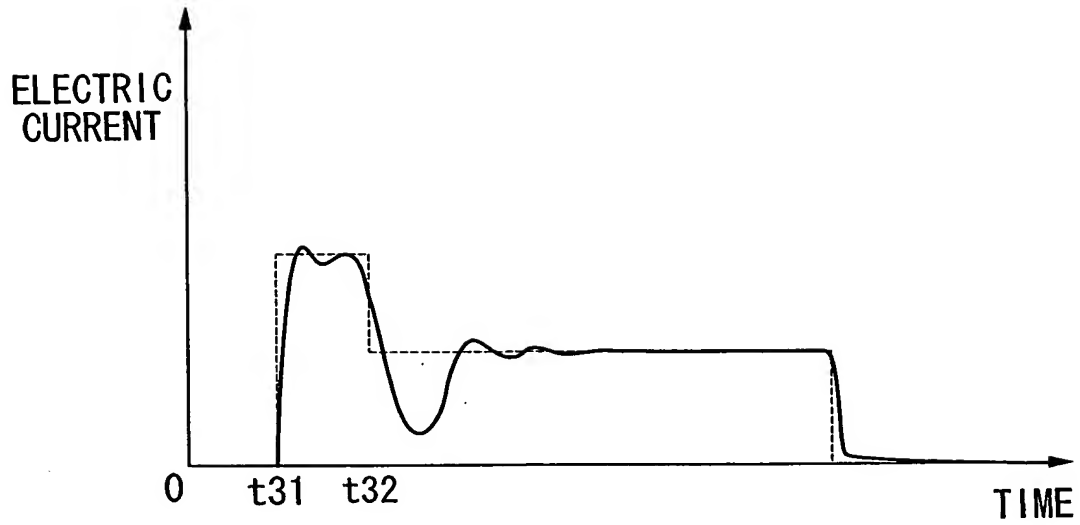


FIG. 8

